

**Julia is an Ahead-of-Time (AoT) statically-compiled language\*!**

*(\*excludes staged functions)*

# But doesn't it use a JIT?

The homepage of Julia describes the LLVM JIT compiler that helps to make Julia fast.

What it doesn't mention, is that Julia's language design permits better Ahead-of-Time analysis than a traditional JIT must deal with.

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- Efficient support for [Unicode](#), including but not limited
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## High-Performance JIT Compiler

Julia's LLVM-based just-in-time (JIT) compiler combined v often match the performance of C. To get a sense of relative that can or could be used for numerical and scientific comp benchmarks in a variety of languages: [C](#), [Fortran](#), [Julia](#), [Pyt](#) and [Mathematica](#). We encourage you to skim the code to ge

(<http://julialang.org>)